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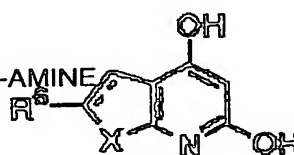
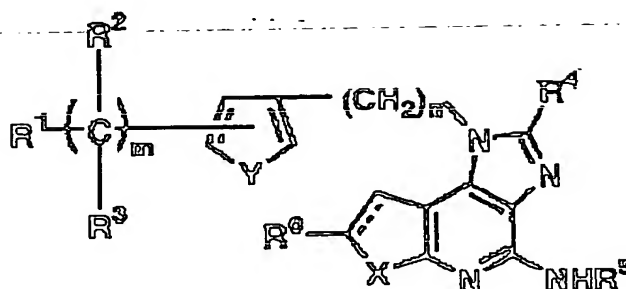
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TITLE :

1-(SUBSTITUTEDARYL)ALKYL-1H-IMIDAZOPYRIDIN-4-AMINE
DERIVATIVE



ABSTRACT : PROBLEM TO BE SOLVED: To provide the subject new compound inducing the biosynthesis of interferon and useful as an antiviral agent and carcinostatic agent.

SOLUTION: The objective compound is expressed by formula I [R¹ is COR⁷, SO₂NR⁸R⁹, NR¹⁰R¹¹, etc., (R⁷ is OH, an alkyl or an alkoxy; R⁸ and R⁹ are each H or an alkyl; R¹⁰ is H, an alkyl, etc.; R¹¹ is H, an alkyl, an alkanesulfonyl, etc.); (m) is 0-1; (n) is 1-3; X is an alkylene chain or a carbon chain of the formula; CH=CH; Y is S or a carbon chain of the formula CH=CH; the combination of dotted line and solid line is single bond or double bond], e.g. 1-[2-[4-(1-aminoethyl)phenyl]ethyl]-1H-imidazo[4,5-c]quinolin-4-amine. The compound of the formula I can be produced from a compound of formula II through 7 steps. It is extremely useful for the treatment of diseases caused by viruses such as rheumatic arthritis, verruca, hepatitis B and hepatitis C, cancer and other neoplastic diseases.

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